

Emulsion Formulas		Result
ATB-X100		Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi
8%	Triton X-100	
8%	Tributyl Phosphate	
64%	Soybean Oil	
1%	CPC	
19%	DiH2O	
ATB-T60		Slightly less effective than ATB-X100; Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi
5%	Tween 60	
8%	Tributyl Phosphate	
64%	Soybean Oil	
1%	CPC	
22%	DiH2O	
ATB-XT160		Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi
0.71%	Tween 60	
8%	Triton X-100	
8%	Tributyl Phosphate	
64%	Soybean Oil	
1%	CPC	
18.29%	DiH2O	
ATB-X		Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi;
5%	Triton X-100	
5%	Tributyl Phosphate	
40%	Soybean Oil	
1%	CPC	
49%	DiH2O	

FIG. 29

ATB-X1001		Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi
8%	Triton X-100	
8%	Tributyl Phosphate	
50%	Soybean Oil	
1%	CPC	
33%	DiH2O	
ATB-X1002		Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi; more irritating than ATB-X100.
8%	Triton X-100	
8%	Tributyl Phosphate	
50%	Soybean Oil	
2%	CPC	
32%	DiH2O	
ATB-2		Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi
0.1%	Peppermint Oil	
8%	Triton X-100	
8%	Tributyl Phosphate	
64%	Soybean Oil	
2%	CPC	
17.9%	DiH2O	
ATB-CPB		Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria
0.1%	Peppermint Oil	
8%	Triton X-100	
8%	Tributyl Phosphate	
64%	Soybean Oil	
1%	CPB	
18.9%	DiH2O	
ATB-1/2		Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi, demonstrates that dilution doesn't effective efficacy of ATB-X100
0.05%	Peppermint Oil	
4%	Triton X-100	
4%	Tributyl Phosphate	
32%	Soybean Oil	
0.5%	CPC	
59.45%	DiH2O	

FIG. 29 (CONT)

ATB-T3		Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi
3%	Tyloxapol	
8%	Tributyl Phosphate	
64%	Soybean Oil	
1%	CPC	
0.1%	Peppermint Oil	
23.9%	DiH ₂ O	
ATB-T3E pH7.1		Effective against, all Gram positive bacteria, all Gram negative bacteria and spores
3%	Tyloxapol	
8%	Ethanol	
64%	Soybean Oil	
1%	CPC	
0.1%	Peppermint Oil	
23.8%	DiH ₂ O	
0.1%	10N NaOH	
ATB-T22		Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi; stable despite lower amount of detergent
2%	Triton X-100	
2%	Tyloxapol	
8%	Tributyl Phosphate	
64%	Soybean Oil	
1%	CPC	
0.1%	Peppermint Oil	
22.9%	DiH ₂ O	
ATB-1X		Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria, and bacterial spores
8%	Triton X-100	
8%	Tributyl Phosphate	
64%	Soybean Oil	
1%	CPC	
0.1%	Peppermint Oil	
5 mM	Inosine	
5 mM	L-Alanine	
10 mM	Ammonium Chloride	
1 mM	Sodium Phosphate	
13 mM	Sodium Chloride	
18.9%	DiH ₂ O	

FIG. 29 (CONT)

ATB-T22/GE		Effective against enveloped viruses, all Gram positive bacteria, Gram negative bacteria, and bacterial spores
2%	Triton X-100	
2%	Tyloxapol	
8%	Tributyl Phosphate	
64%	Soybean Oil	
1%	CPC	
0.1%	Peppermint Oil	
5 mM	Inosine	
5 mM	L-Alanine	
10 mM	Ammonium Chloride	
1 mM	Sodium Phosphate	
13 mM	Sodium Chloride	
22.9%	DiH ₂ O	
90% ATB-T22/GE		Effective against enveloped viruses, Gram negative bacteria, all Gram positive bacteria, and bacterial spores; liquid enough to spray
1.8%	Triton X-100	
1.8%	Tyloxapol	
7.2%	Tributyl Phosphate	
57.6%	Soybean Oil	
0.9%	CPC	
0.09%	Peppermint Oil	
5 mM	Inosine	
5 mM	L-Alanine	
10 mM	Ammonium Chloride	
1 mM	Sodium Phosphate	
13 mM	Sodium Chloride	
30.61%	DiH ₂ O	
ATB-T22E		Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi; Increased safety for oral uptake
2%	Triton X-100	
2%	Tyloxapol	
8%	Ethanol (200 Proof)	
64%	Soybean Oil	
1%	CPC	
0.1%	Peppermint Oil	
22.9%	DiH ₂ O	

FIG. 29 (CONT)

90% ATB-T22E/GE		Effective against enveloped viruses, all Gram positive bacteria, all Gram negative bacteria and fungi; Increased safety for oral uptake
1.8%	Triton X-100	
1.8%	Tyloxapol	
7.2%	Ethanol (200 Proof)	
57.6%	Soybean Oil	
0.9%	CPC	
0.09%	Peppermint Oil	
5 mM	Inosine	
5 mM	L-Alanine	
10 mM	Ammonium Chloride	
1 mM	Sodium Phosphate	
13 mM	Sodium Chloride	
30.61%	DiH ₂ O	
ATB-T3E		Effective against all Gram positive bacteria, all Gram negative bacteria; Increased safety for oral uptake
3%	Tyloxapol	
8%	Ethanol	
64%	Soybean Oil	
1%	CPC	
0.1%	Peppermint Oil	
23.9%	DiH ₂ O	
ATB-X100E		
8%	Triton X-100	
8%	Ethanol	
64%	Soybean Oil	
1%	CPC	
19%	DiH ₂ O	
ATB Tween 20 E		Effective against all Gram negative bacteria.
5%	Tween 20	
1%	CPC	
64%	Soybean Oil	
8%	Ethanol	
22%	DiH ₂ O	

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FIG. 29 (CONT)